

## Certificate of Analysis

Date of Testing: 2024-08-30 09:38:40  
Date of Next Testing: 2027-08-30 09:38:40  
Product Name: **Carboxymethyl chitosan**  
CAS Number: 83512-85-0  
Specifications & Purity: Degree of substitution:  $\geq 90\%$   
Lot #: H2423467  
SKU #: **C304739**  
Version: **4**  
Analysis #: **395060**  
Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Loss on drying	0-10 (%)	0.00 %
Ash	10.0-25 (%)	23.86 %
Viscosity(1% in 1% water, 20°C)	< 200 (mPa·S)	156.00000 mPa·S
Insoluble matter in H <sub>2</sub> O	0-1 (%)	0.00 %
Degree of substitution( total)	$\geq 90$ (%)	96.80000 %
Appearance (C304739)	white to off-white to yellow powder	white to off-white to yellow powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager